$l = -\frac{4.23}{8.15} fC = -\frac{4.23 \cdot 10^{-15} fC^{2}}{0.0813} Im^{2} = -5.20 \cdot 10^{-14} fc$ $|E_{x}|^{2} \stackrel{\lambda}{\to} \frac{1}{4\pi\epsilon_{0}} \stackrel{\lambda}{\to}$ $= \frac{1}{41780} \left(\frac{1}{a} - \frac{1}{1+a} \right) = \frac{8.15 \text{ cm}}{-5.20}$ $\frac{-5.20 \cdot 10^{-14}}{417 \cdot 8.854 \cdot 10^{-12}} \left(\frac{1}{0,06} - \frac{1}{0,1415} \right)$ ~ - 0.00449 = (-4.42.10 N c) at vanster d, 544 a= 50 m e) janfor Coulombs 195 for puntity partitled